

	39		-	В	0	20A/1	40	SPARE		
	41		-	С	0	20A/1	42	SPARE		
		DΔNI	FI ROA	BU.	SCHE	DIII F				
LOCATION: ELECTRICAL ROOM 13	0A	I AINI	LLDOA	טוו	JOHE	DOLL			L101H-2	
277/480 VOLTS	3 P	PHASE	WIR	E		100 AI	MPERES			
MAIN DISCONNECT: 100A MCB REMARKS: SECTION 1 OF 1		TYPE:	SQUARE D NF			JNTING: SURI			AIC: 14k	
LOAD: PHASE A kVA		PHASE B	kVA		PHAS		kVA	TOTAL	kVA	
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DESCRIPTION		
CORD 1C02 LS LTS	1	20A/1	_	A	-	20A/1	2	CORD 1C03,05,06 I	S LTS	
RM 130 LTS	3	20A/1	0.5	В	=	20A/1	4	CORD 1C02,03,04,05	5,06 1ST02 EX LT	
RM 1C04 LTS	5	20A/1	0.8	С	0.2	20A/1	6	ST02 LTS		
RM 114 LTS	7	20A/1	0.6	A	0	20A/1	8	SPARE		
RM 113 LTS	9	20A/1	0.4	В	0	20A/1	10	SPARE		
RM BS12,BS14 LTS	11	20A/1	0.4	С	0	20A/1	12	SPARE		
SPARE	13	20A/1	0	A	0	20A/1	14	SPARE		
SPARE	15	20A/1	0	В	0	20A/1	16	SPARE		
SPARE	17	20A/1	0	С	0	20A/1	18	SPARE		
SPARE	19	20A/1	0	A	0	20A/1	20	SPARE		
SPARE	21	20A/1	0	В	0	20A/1	22	SPARE		
SPARE	23	204 /1	0	С	0	204 /1	24	SPARE		

50A/3 | **26** | PANEL L201H-2

__ | 28 | - - -

__ | 30 | - - -

PANEL L101-2 TX

| 27 | __

		PANE	ELBOA	RD	SCHE	DULE		
LOCATION: ROOM 1C04A								C101-2
120/208 VOLTS	3 F	PHASE	4	WIR	E		225 A	MPERES
MAIN DISCONNECT: 150A MCB			SQUARE D		MO	UNTING: SU	RFACE	AIC: 22k
REMARKS: SECTION 1 OF 1		I	NQ					
LOAD: PHASE A kVA	F	PHASE B	kVA		PHAS	E C	kVA	TOTAL kVA
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DESCRIPTION
RM 1C04 ACCESS CONTROL	1	20A/1	0.5	A	1.0	20A/1	2	RM 130 MECH PANELS
RM 1C04 ACCESS CONTROL	3	20A/1	0.5	В	1.0	20A/1	4	RM 1C04 GARAGE DOOR
RM 1C04 ACCESS CONTROL	5	20A/1	0.5	С	1.0	20A/1	6	RM 1C04 GARAGE DOOR
RM 1C04A LENAL ACCESS CONTROL PANELS	7	20A/1	1.5	A	1.0	20A/1	8	RM 1C04 GARAGE DOOR
RM 1C04 EXTERIOR CAMERA	9	20A/1	0.2	В	0.5	20A/1	10	RM 1C02 ACCESS CONTROL
STAIR 1ST02 ACCESS CONTROL	11	20A/1	0.5	С	0.5	20A/1	12	RM 1C02 ACCESS CONTROL
STAIR 1ST02 ACCESS CONTROL	13	20A/1	0.5	A	0	20A/1	14	SPARE
RM 112 ACCESS CONTROL	15	20A/1	0.5	В	0	20A/1	16	SPARE
RM 108 RCPT	17	20A/1	0.4	С	0.5	20A/1	18	RM BS13 ACCESS CONTROL
RM 108 RCPT	19	20A/1	0.4	A	0.3	20A/1	20	CUH-1
RM 108 RCPT	21	20A/1	0.4	В	0.3	20A/1	22	CUH-2
RM 108 RCPT	23	20A/1	0.4	С	0.7	20A/1	24	UH-3, UH-4
RM. 1CO4B ACCESS CONTROL	25	20A/1	0.5	A	0.7	20A/1	26	UH-5, UH-6
SPARE	27	20A/1	0	В	0.7	20A/1	28	UH-1
SPARE	29	20A/1	0	С	0.7	20A/1	30	UH-2
SPARE	31	20A/1	0	A	0.5	20A/1	32	SP-1
SPARE	33	20A/1	0	В	0	20A/1	34	SPARE
SPARE	35	20A/1	0	С	0	20A/1	36	SPARE
SPARE	37	20A/1	0	A	0	20A/1	38	SPARE
SPARE	39	20A/1	0	В	0	20A/1	40	SPARE
SPARE	41	20A/1	0	c	0	20A/1	42	SPARE

LOCATION: ELECTRICAL ROOM 2	C01.1								L201H
277/480 VOLTS MAIN DISCONNECT: MLO	3 F	PHASE TYPE: :		WIRI		unting: Sui		MPERES	AIC: 14k
REMARKS: SECTION 1 OF 1		I	NF						
LOAD: PHASE A kVA	I	PHASE B	kVA		PHAS	E C	kVA	TOTAL	kV
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DESC	CRIPTION
SPARE	1	20A/1	0	A	0.6	20A/1	2	CORRIDOR EXIT S	SIGNS
SPARE	3	20A/1	0	В	0.8	20A/1	4	CORRIDOR EMER	GENCY LTS
SPARE	5	20A/1	0	С	0.8	20A/1	6	CORRIDOR EMER	GENCY LTS
SPARE	7	20A/1	0	A	0	20A/1	8	SPARE	
SPARE	9	20A/1	0	В	0	20A/1	10	SPARE	
SPARE	11	20A/1	0	С	0	20A/1	12	SPARE	
SPARE	13	20A/1	0	A	0	20A/1	14	SPARE	
SPARE	15	20A/1	0	В	0	20A/1	16	SPARE	
SPARE	17	20A/1	0	С	0	20A/1	18	SPARE	
SPARE	19	20A/1	0	A	0	20A/1	20	SPARE	
SPARE	21	20A/1	0	В	0	20A/1	22	SPARE	
SPARE	23	20A/1	0	С	0	20A/1	24	SPARE	
SPARE	25	20A/1	0	A	0	20A/1	26	SPARE	
SPARE	27	20A/1	0	В	0	20A/1	28	SPARE	
SPARE	29	20A/1	0	С	0	20A/1	30	SPARE	

PANELBOARD SCHEDULE

		PAN	ELBOA	RD	SCHE	DULE -	- E>	KISTING	
LOCATION: LOADING DOCK 101D									1EM
120/208 VOLTS	3 F	PHASE	4	WIR	Ε		100 A	MPERES	
MAIN DISCONNECT: MLO REMARKS: SECTION 1 OF 1 CRITICAL BRANCH PA	NEL		SQUARE D LOAD CENT	D MOUNTING: SURFACE SENTER					
LOAD: PHASE A kVA	F	PHASE B	kVA		PHAS	E C	kVA	TOTAL	kV
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DESC	CRIPTION
DOOR OPENER	1	15A/1	-	A	=	15A/3	2	(OFF)	
CYLINDER STORAGE	3	15A/1	-	В	-		4		
DOCK NIGHT LIGHT	5	15A/1	-	С	-		6		
EXIST WAREHOUSE	7	20A/1	-	A	-	20A/1	8	WAREHOUSE MED	ICAL GAS F
SPACE	9	/1	0	В	=	20A/1	10	CLYINDER MANIFO	DLD POWER
SPACE	11	/1	0	С	=	20A/1	12	RM BE11 MEDICAL	. GAS PNL
SPACE	13	/1	0	A	0	20A/1	14	SPARE	
SPACE	15	/1	0	В	0	20A/1	16	SPARE	

		PAN	IELBOA	RD	SCHE	DULE -	- RE	EPLACEMENT	(NEW)
LOCATION: WAREHOUSE ROOM	1 103								1EM
120/208 VOLTS	3 P	HASE	4	WIRI	Ξ		100 A	MPERES	
MAIN DISCONNECT: MLO	T: MLO TYPE: SQUARE D MOUNTING: SURFACE NOOD							AIC: 10k	
REMARKS: SECTION 1 OF 1 EMERGENCY POWE	R – CRITICA	L BRANCH I							
LOAD: PHASE A kVA	Р	HASE B	kVA		PHAS	E C	kVA	TOTAL	kVA
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DESC	RIPTION
RM 103 ELECTRIC LOCKS	1	20A/1	1.0	A	0	15A/3	2	SPARE	
RM 103 ELECTRIC LOCKS	3	20A/1	1.0	В	0		4		
RM 103 ELECTRIC LOCKS	5	20A/1	1.0	С	0		6		
RM 103 ELECTRIC LOCKS	7	20A/1	1.0	Α	-	20A/1	8	RECIRC. WAREHOUSE M	EDICAL GAS PNL
SPARE	9	20A/1	0	В	-	20A/1	10	RECIRC. RM BE11 MEDIC	AL GAS PNL
SPARE	11	20A/1	0	С	-	20A/1	12	RECIRC. CYLINDER MANI	FOLD POWER
SPARE	13	20A/1	0	A	-	20A/1	14	RECIRCUIT EXISTIN	G WAREHOUSE
SPARE	15	20A/1	0	В	0	20A/1	16	SPARE	
SPARE	17	20A/1	0	С	0	20A/1	18	SPARE	
SPARE	19	20A/1	0	A	0	20A/1	20	SPARE	
SPARE	21	20A/1	0	В	0	20A/1	22	SPARE	
SPARE	23	20A/1	0	С	0	20A/1	24	SPARE	

		PAN	IELBOA	RD	SCHE	DULE						
LOCATION: ELECTRICAL ROOM	130A								L101-			
120/208 VOLTS	3	PHASE	4	WIR	E		100 A	MPERES	L			
MAIN DISCONNECT: 50A MCB REMARKS: SECTION 1 OF 1		TYPE: SQUARE D MOUNTING: SURFACE NQOD					AIC: 22k					
LOAD: PHASE A kVA		PHASE B	kVA		PHAS	E C	kVA	TOTAL	kVA			
LOAD DESCRIPTION	CKT NO.	O.C.P. DEVICE	kVA LOAD	PH.	kVA LOAD	O.C.P. DEVICE	CKT NO.	LOAD DES	CRIPTION			
RM 110 ELEV. CAB LIGHTING	1	20A/1	0.5	A	0.4	20A/1	2	LIGHTING CONTA	CTOR			
FIRE ALARM PANEL	3	20A/1	0.5	В	1.0	20A/1	4	SITE LIGHTING				
CORR. 1C05 MEDICAL GAS ALARM PANEL	5	20A/1	0.5	С	8.0	20A/1	6	SITE LIGHTING				
SPARE	7	20A/1	0	A	0	20A/1	8	SPARE				
SPARE	9	20A/1	0	В	0	20A/1	10	SPARE				
SPARE	11	20A/1	0	С	0	20A/1	12	SPARE				
SPACE	13	/1	0	A	0	/1	14	SPACE				
SPACE	15	/1	0	В	0	/1	16	SPACE				
SPACE	17	/1	0	С	0	/1	18	SPACE				
SPACE	19	/1	0	A	0	/1	20	SPACE				
SPACE	21	/1	0	В	0	/1	22	SPACE				
SPACE	23	/1	0	С	0	/1	24	SPACE				

ELECTRICAL NOTES:

- 1. WIRING SHALL BE #12 MINIMUM UNLESS NOTED OTHERWISE.
- 2. CONDUIT SHALL BE 3/4" MINIMUM UNLESS NOTED OTHERWISE.
- 3. ALL WORK SHALL CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE
- 4. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETELY INSTALL ALL ELECTRICAL WORK.
- 5. NO ENERGIZED CONDUCTORS SHALL BE EXPOSED AT ANYTIME EXCEPT WHEN THE IMMEDIATE AREA IS UNDER THE SUPERVISION OF A QUALIFIED ELECTRICIAN.
- 6. ALL MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE NEW, COMPLETE WITH MANUFACTURER'S GUARANTEE OR WARRANTY AND SHALL BE LISTED BY UNDERWRITERS LABORATORIES (UL) INC.
- 7. ALL WORK SHALL PRESENT A NEAT MECHANICAL APPEARANCE WHEN COMPLETED.
- 9. THIS CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CUTTING AND FITTING NECESSARY TO PROPERLY INSTALL

8. WHERE NEW OPENINGS ARE CUT AND CONCEALED PIPING, ETC. IS ENCOUNTERED, IT SHALL BE REMOVED OR

- HIS WORK. HE SHALL COORDINATE WITH OTHER TRADES TO MINIMIZE THE DAMAGE AND AMOUNT OF PATCHING REQUIRED. ALL UNDUE OR UNTIMELY MUTILATION, MARRING, OR SOILING OF FINISHED SURFACES SHALL BE REPAIRED BY THE PROPER TRADES AND PAID FOR BY THIS CONTRACTOR.
- 10. CONTRACTOR SHALL KEEP HIS WORK AREA CLEAN OF ALL DEBRIS AND SHALL KEEP MATERIALS IN AREAS DESIGNATED BY THE OWNER.
- 11. THE PANEL CIRCUIT NUMBER SHALL BE MARKED ON THE BACKBOX OF ALL RECEPTACLES AND LIGHT SWITCHES BY
- 12. CONDUCTORS USED THROUGHOUT THIS PROJECT SHALL BE COPPER. ALL CONDUCTORS SHALL HAVE 600 VOLT INSULATION (THW, THHN, THWN OR XHHW), SUITABLE FOR THE LOCATION PER NEC. ALL CONDUCTORS #8 OR
- LARGER SHALL BE STRANDED. ALL WIRING SHALL BE IN APPROVED RACEWAYS. 13. SPLICES AND CONNECTIONS TO CONDUCTORS LARGER THAN #8 SHALL BE BY MEANS OF COMPRESSION TYPE. ALL
- CONDUCTORS #8 AND SMALLER THAT ARE TO BE PIGTAIL SPLICED SHALL BE JOINED WITH WIRE NUTS. 14. PROVIDE PULL, JUNCTION AND OUTLET BOXES IN ACCORDANCE WITH THE NEC. ALL BOXES SHALL BE GALVANIZED SHEET STEEL. FASTEN BOXES RIGIDLY TO STRUCTURAL SURFACES. PROVIDE ELECTRICAL GROUNDING
- 15. ALL SWITCHES SHALL BE HEAVY-DUTY, QUIET TYPE, 20 AMPERE, 120/277 V AC WITH IVORY HANDLES. RECEPTACLES SHALL BE 20 AMPERE, 2 POLE, 3 WIRE, NEMA 5-20R. ALL SWITCHES AND RECEPTACLES SHALL HAVE BINDING POST TERMINALS AND ALL CONNECTIONS SHALL BE MADE BY WRAPPING WIRE AROUND THESE
- SINGLE PHASE, 20 AMPERES, NEMA 5-20R WITH GROUND LEAKAGE CURRENT SENSITIVITY OF 5 MILLI-AMPERES.. 16. THE ELECTRICAL SYSTEM GROUND SHALL BE AS SHOWN BUT IN NO CASE SHALL IT BE LESS THAN THE REQUIREMENTS OF THE NEC. THE ELECTRICAL GROUND SHALL CONSIST OF THE EQUIPMENT GROUND. GROUND SHALL BE MADE TO ALL METAL, NON-CURRENT CARRYING PARTS OF THE ELECTRICAL EQUIPMENT. GROUNDING

TERMINALS. GFCI RECEPTACLES SHALL HAVE BUILT-IN TEST CIRCUIT AND SHALL BE 120 VOLT THREE WIRE,

WITHOUT EXCEPTION. 17. ALL WORK WITHIN THE EXISTING BUILDING WHERE EXISTING TO REMAIN ELECTRICAL WORK IS IMPACTED, THE EXISTING ELECTRICAL WORK SHALL BE BROUGHT UP TO CONFORM TO OR EXCEED THE MINIMUM REQUIREMENTS OF

CONDUCTORS, GREEN INSULATION, SHALL BE RUN IN THE SAME CONDUIT AS THE CURRENT CARRYING CONDUCTORS

18. ELECTRICAL CONTRACTOR SHALL BOND THE CABLE, FULL LENGTH ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

GENERAL ELECTRICAL CONSTRUCTION NOTES:

1. "(DS/1)" INDICATES MATERIAL LIST ITEM IN HEX SYMBOL.

THE NATIONAL ELECTRICAL CODE (NEC), 2014 EDITION.

- 2. # OR # INDICATES KEY NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED, SPECIFIC TO THE SHEET IT IS SHOWN ON.
- 3. ALL ELECTRICAL CONDUCTORS SHALL BE COPPER.
- 4. ABBREVIATION KEY: AFF ABOVE FINISH FLOOR
- EC ELECTRICAL CONTRACTOR

CONNECTIONS FOR INSTALLED BOXES.

- GC GENERAL CONTRACTOR MC MECHANICAL CONTRACTOR
- NIC NOT IN CONTRACT TYP TYPICAL
- +#' MOUNTING HEIGHT FROM FINISHED FLOOR TO CENTERLINE
- 5. 120V CIRCUIT/HOMERUN
- 6. LINE TYPE KEY: NEW WORK BY ELECTRICAL CONTRACTOR (DARK SOLD LINE)
- ------NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- 7. MOUNTING SUBSCRIPT KEY: A. RECEPTACLES:
- A MOUNT ABOVE COUNTER (+6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH) C MOUNT ON CEILING
- W WET LOCATION BUBBLE COVER B. TELECOMMUNICATION OUTLETS
- A MOUNT ABOVE COUNTER (+6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH) C. A SLASH IS USED BETWEEN TWO SUBSCRIPTS I.E.: A/H D. LOWERCASE LETTERING BY DEVICE DONATES SWITCH LEG IDENTIFICATION TO
- CORRESPONDING MULTI-SWITCHED FIXTURES IN ROOM OR AREA. E. REFER TO MATERIAL LIST AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND

BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.

- MANUFACTURES OF ALL DEVICES. 8. THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE A.D.A.A.G. (AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES).
- 9. CIRCUIT NUMBERS ARE SHOWN FOR CIRCUIT IDENTIFICATION. CIRCUITING SHALL AGREE WITH NUMBERING ON THE PANEL PROVIDED. COMMON NEUTRALS SHALL NOT BE USED. BALANCE THE LOAD ON PANEL AS EVENLY AS POSSIBLE BETWEEN
- 10. CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, AND ABOVE CEILING, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE. WHERE CONDUIT CANNOT BE
- 11. A #12 GREEN INSULATED GROUND CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS TO ALL RECEPTACLES.

CONCEALED WITHIN EXISTING WALLS (I.E.: MASONRY WALLS, ETC.), EC MAY UTILIZE SURFACE METAL RACEWAY AND ASSOCIATED

- 12. FLUSH MOUNT ALL TOGGLE SWITCHES AT +48" FROM FLOOR TO TOP OF BOX, EXCEPT WHERE OTHERWISE NOTED. TOGGLE SWITCHES
- MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. 13. FLUSH MOUNT ALL DUPLEX RECEPTACLES AND TELECOMMUNICATION OUTLETS AT +16" FROM FLOOR TO TOP OF BOX, EXCEPT WHERE
- OTHERWISE NOTED. RECEPTACLES AND OUTLETS MAY BE SURFACE MOUNTED WHEN CONDUIT IS SPECIFIED EXPOSED. 14. MOUNT ALL FIRE ALARM VISUAL DEVICES AND AUDIO/VISUAL DEVICES AT +80" ABOVE HIGHEST FLOOR LEVEL TO BOTTOM OF LENS IN
- SPACE OR 6" BELOW THE CEILING, WHICH EVER IS LOWER, EXCEPT WHERE OTHERWISE NOTED.
- EXCEPT WHERE OTHERWISE NOTED. 16. CONTRACTOR SHALL COORDINATE THE LOCATION OF ALL DETECTORS AND/OR SPEAKERS WITH LIGHT FIXTURES AND CEILING

15. MOUNT ALL FIRE ALARM AUDIO DEVICES AT +90" ABOVE HIGHEST FLOOR LEVEL IN SPACE OR -6" BELOW THE CEILING, WHICH EVER IS HIGHER,

- DIFFUSERS. CENTER ALL DEVICES IN CEILING TILE PATTERN. 17. BOXES LOCATED ON OPPOSITE SIDES OF NON-FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT
- 18. ELECTRICAL EQUIPMENT SHALL BE MOUNTED TO AVOID IMPEDANCE OF OPERATION AND/OR ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF ELECTRICAL GEAR ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE
- APPROVED IN ADVANCE BY THE OTHER CONTRACTOR. 19. ALL FINAL ELECTRICAL CONNECTIONS TO MOTORS SHALL BE MADE WITH FLEXIBLE METAL CONDUIT. USE LIQUID TIGHT CONDUIT AND FITTINGS WHERE SUBJECT TO MOISTURE. ROUTE GROUND WIRE FROM CIRCUIT GROUND TO MOTOR GROUND THROUGH FLEXIBLE
- CONDUIT. FLEXIBLE CONDUIT SHALL NOT EXCEED 6' IN LENGTH 20. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS. WHERE CONDUIT PENETRATES WALLS AND FLOORS, SEAL WITH A U.L. LISTED SEALANT. SEAL PENETRATIONS WITH INTUMESCENT CAULK, PUTTY, OR SHEET INSTALLED PER MANUFACTURER'S RECOMMENDATION. ALL
- E814 STANDARDS FOR FIRE TESTS OR THROUGH-PENETRATION FIRESTOPS AS MANUFACTURED BY 3M OR APPROVED EQUAL. 21. ALL PANELBOARDS SHALL BE COMPLETE WITH TYPED CIRCUIT DIRECTORY CARD IDENTIFYING LOAD SERVED AND ASSOCIATED

MATERIALS USED TO SEAL PENETRATIONS OF FIRE WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM

- AREA OR ROOM LOCATED. 22. CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF ELECTRICAL WORK (THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION). CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIÀL WHERE
- 23 COORDINATE LOCATION OF ALL MOTION SENSORS WITH MANUFACTURER REP PRIOR TO INSTALLATION. INSTALL MOTION SENSOR A $\tilde{}$ MINIMUM OF 4'-0" AWAY FROM HVAC REGISTER, RADIANT HEATER, CEILING FANS, ETC. INITIAL OFF SETTING SHALL BE SET FOR 30 MINUTES FOR ALL MOTION SENSORS. PROVIDE 10'-0" OF EXTRA CABLE COILED AT EACH CEILING MOUNTED OR OPEN STRUCTURE
- 24. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR ADDITIONAL ROOMS THAT MAY REQUIRE EXISTING
- LIGHT FIXTURES TO BE REMOVED AND REINSTALLED FOR INSTALLATION OF NEW SOFFIT BEING INSTALLED. 25. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTRACTOR FOR PAINTING OF NEW SURFACE MOUNTED CONDUIT
- 26. ELECTRICAL CONTRACTOR TO COORDINATE WITH GENERAL CONTACTOR AND MECHANICAL CONTRACTOR FOR ROUTING OF ALL CONDUITS FROM FAN COIL UNITS AND AIR COOLED CONDENSING UNITS. COORDINATE ALL EXTERIOR WALL. INTERIOR WALL. FLOOR

IOWA CITY, IOWA

- TO FLOOR AND ROOF PENETRATIONS. FOLLOW ROUTING OF MECHANICAL PIPING WHEN POSSIBLE. SEAL ALL PENETRATIONS WITH APPROPRIATE MATERIAL FOR EACH APPLICATION.
- 27. "e" INDICATES EXISTING ELECTRICAL DEVICE TO REMAIN. "r" INDICATES RELOCATED ELECTRICAL DEVICE.

INSTALLED IN FINISHED AREAS.

SHIVEHIATTERY ARCHITECTURE + ENGINEERING

Approved: Service Director

2834 Northgate Drive | Iowa City, Iowa 52245 319.354.3040 | fax: 319.354.6921 | shive-hattery.com Iowa | Illinois | Missouri

Project Title Drawing Title RENOVATE AND EXPAND SPACE FOR PATIENT SUPPORT AREAS **ELECTRICAL SCHEDULES** Approved: Division Chief Building Number

DOCUMENTS DVA#636-311 ||S-H"#110240-0 DRAWING NO. 2-E11

IOWA CITY VA HEALTH CARE SYSTEM